

Product Name:	Antimycin A1
Product Number:	A127
CAS Number:	642-15-9
Molecular Formula:	$C_{28}H_{40}N_2O_9$
Molecular Weight:	548.6
Appearance:	White solid
Storage Conditions:	-20°C
Description:	<p>Antimycin A1 is the most hydrophobic of the four analogues of the antimycin A complex. Although broadly active as respiration inhibitors, more recent investigation has highlighted the importance of individual members of the complex as bioprobes.</p> <p>Antimycin A1 is soluble in ethanol, methanol, DMF and DMSO.</p>
Mechanism of Action:	Antimycin A1 inhibits angiogenesis via a decrease in VEGF production caused by inhibition of HIF-1a activation.
References:	<p>Antimycin A1, an antibiotic with insecticidal and mitocidal properties. Kido G.S. & Spyhalski E. Science 1950, 112, 172.</p> <p>Inhibition of angiogenesis and HIF-1a activity by antimycin A1. Maeda M. et al. Biol. Pharm. Bull. 2006, 29, 1344.</p>